

ABSTRACT OF THE DISCLOSURE

In a disk drive of the perpendicular magnetic recording method, there is disclosed a servo data encoding method for recording servo data with a particularly low frequency on a disk. The coded data of the servo data by this method is coded with DC free code which is capable of suppressing a direct current component of the read signal waveform. As a consequence, in the case where signal processing is conducted in the read/write channel by the cut-off low frequency characteristic, a waveform distortion can be suppressed which is generated in the read signal waveform by the cut-off low frequency characteristic. Consequently, an improvement in the read error rate in the read/write channel can be realized.

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